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TURBINE PLANT USES ANODE CUTTER;  
BOAST TECHNOLOGICAL ADVANCES

ANODE MECHANICAL UNIT SPEEDS WORK -- Leningradskaya Pravda, 1 May 50

An anode-mechanical unit at the Leningrad Plant imeni Stalin cuts through hard-alloy plates of any thickness in several minutes. Formerly, it took 2-3 hours to cut such plates.

As a result of the efforts of Senior Engineer Mart'yanov, Senior Engineer-Technician Levin, and other members of a complex brigade, diaphragms of welded construction are now being produced. This constitutes a new step forward in turbine building.

DOUBLE TURBINE OUTPUT -- Moscow Znaniye-Sila, Jun 50

During 1950 the plants of the Ministry of Heavy Machine Building are nearly doubling their output of steam turbines and boilers.

HIGH-DUTY BOILER APPEARS -- Moscow Izvestiya, 31 Jan 50

The Taganrog Krasnyy Kotel'shchik Plant has completed a new high-pressure drum-type boiler with a productive capacity of 170 tons of steam per hour.

BOILERMAKERS TAKING ORDERS -- Moscow Trud, 21 Mar 50

The Boiler-Machinery Plant of the Kotlotopstroy Artel, Moscow, is ready to fill orders for manufacture, from the purchasers' own materials, of the following equipment: Lancashire water-heating boilers of 67, 100, and 120 square meters' heating area; Cornish water-heating boilers of 13-40.6 square meters' heating area; tubular water-heating boilers of 13 square meters' heating area; D-500 vertical tubular steam boilers; boilers, Mark 4,5 and 6; autoclaves, 0.5 cubic meters' capacity, for vulcanizing rubber footwear; horizontal cisterns of 3,5 and 10 tons; baths for hot zinc plating; chimney pipes of 400-1,000 millimeters' diameter; Sirocco blowers, Nos 3, 4, and 5; Kanadeyka beds with springs; iron

- 1 -

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SECRET

50X1-HUM

drums, 100- and 290-litre capacity; metal bodies for the ZIS-5 and ZIS-150 trucks; fireproof cold storage boxes; containers for liquid gas cylinders; spades and shovels; crowbars; ploughshares; construction plates, and other articles. -- Advertisement

PLASTICS FREE MACHINE TOOLS -- Leningradskaya Pravda, 28 Apr 50

The Leningrad Kirov Plant is using plastics for a number of parts. This has made it possible to free ten machine tools.

ASSEMBLE NEW TURBINE IN RECORD TIME -- Moscow Pravda, 1 Aug 50

The Leningrad Kirov Plant today completed the assembly of a new heavy steam turbine. A new record was set by performing the job in one week, as against the planned time of 2 weeks.

IMPROVEMENTS BROADEN, ACCELERATE PRODUCTION -- Alma-Ata Kazakhstanskaya Pravda, 5 Aug 50

The Karaganda Machinery and Repair Plant of the Main Administration of Spare Parts for Power Stations is yearly increasing its output of acid-resistant valves, steam fittings, auxiliary equipment for boilers and other spare parts for power stations. The foundry not only supplies semifinished products to the machine and other shops of the plant, but sends them far beyond the boundaries of the republic. The plant has recently been machining precision parts for turbines and generators.

Much of the work now going on at the plant could not have been done 2 or 3 years ago.

Following the example set by the 88 Moscow plants, there was a rearrangement of machinery, which freed space for drilling machines, hydraulic presses, and other equipment used in the assembly of steam fittings. Additional space was freed for heavy lathes and other new items by the removal of some of the machine tools which were installed when the plant was built, and regrouping them according to types, making it more convenient to operate them.

An overhead travelling crane was put into operation, speeding up the lifting and depositing of heavy parts, and freeing workers formerly assigned to this work for other tasks.

Steel valves are among the basic products of the plant. Formerly, such valves of all sizes were machined on a large lathe, the capacity of which was not sufficient to handle all parts. This bottleneck was eliminated by turning to lighter lathes for the machining of some of the parts.

Flanges for steam pipes are also important products of the plant. In the past they were turned out, to a large degree, on old, low-production lathes, with one machinist performing all the operations. Many lathes were tied up exclusively by this work, while at the same time, a group of turret lathes was frequently idle. This situation was remedied in the first month of this year, and now all flanges except the very heaviest ones are machined on turret lathes. This has accelerated the speed of machining, cut down rejects, and reduced production costs.

Another problem which the plant recently solved was the difficulty of insuring a supply of a wide range of nuts and bolts. Since there was no special equipment for making them in the plant, some old-type inactive machine tools were fitted out anew, enabling the plant to turn out these items in steady supply.

- 2 -

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50X1-HUM

The plant has built and put into operation small power cars having low platforms. These cars are excellent for handling heavy parts, and have helped improve the intrashop transportation situation.

Machine tools in the plant are now provided with small tables on which tools and machined parts are kept in careful order. -- V. Zhevnikov, director.

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- 3 -

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